

WHAT IS CLAIMED IS:

1. A multi-piece solid golf ball comprising a core consisting of an inner core, an intermediate layer formed on the inner core and an outer layer formed on the 5 intermediate layer, and a cover covering the core, wherein the inner core has a flexural rigidity of 20 to 80 MPa,

a ratio (R_M/R_I) of a flexural rigidity of the intermediate layer (R_M) to that of the inner core (R_I) is 10 within the range of 0.6 to 1.4,

a flexural rigidity of the outer layer is higher than that of the inner core by 70 to 500 MPa, and

assuming that a radius of the golf ball is represented by r_G , a radius of the inner core is 15 represented by r_I and a radius of a two-layer structured core obtained by forming the intermediate layer on the inner core is represented by r_T , the intermediate layer is placed such that the r_G , r_I and r_T satisfy the following two formulae:

$$r_I/r_G \geq 0.70$$

$$r_T/r_G \leq 0.83$$

2. The multi-piece solid golf ball according to Claim 1, wherein the intermediate layer has a thickness of 0.5 to 2.7 mm, and the inner core has a flexural rigidity 25 of 30 to 80 MPa.

3. The multi-piece solid golf ball according to
Claim 1, wherein the flexural rigidity of the outer layer
is higher than that of the inner core by 70 to 150 MPa.

4. The multi-piece solid golf ball according to
5 Claim 1, wherein the inner core has a flexural rigidity of
50 to 80 MPa, the intermediate layer has a thickness of 0.8
to 2.0 mm, and the outer layer has a flexural rigidity of
120 to 500 MPa.